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Oregon 30-168

Instruction Manual for Oregon Air Filter

Model: 30-168

INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and understanding of your Oregon Air Filter, Model 30-168. This replacement air filter is designed to protect your engine from dirt and dust, ensuring optimal performance and longevity of your equipment.

It is compatible with many Briggs & Stratton models and replaces several OEM parts, including Briggs & Stratton 593260 and 798452, and Stens 102-851.

PRODUCT OVERVIEW



Figure 1: The Oregon Air Filter, Model 30-168. This image shows the filter's overall shape, which is an elongated oval with two circular openings on the top black plastic cap. The pleated white filter media is visible between the black plastic top and bottom caps.

The Oregon Air Filter is a crucial component for maintaining the health of your engine. It prevents harmful particles such as dirt, dust, and debris from entering the carburetor and engine cylinders, which can cause wear and damage.

SETUP AND INSTALLATION

Proper installation of the air filter is vital for its effectiveness. Always refer to your equipment's specific service manual for detailed instructions on accessing and replacing the air filter housing.

1. **Safety First:** Ensure the engine is turned off and cool before beginning any maintenance. Disconnect the spark plug wire to prevent accidental starting.
2. **Locate Air Filter Housing:** Identify the air filter housing on your Briggs & Stratton engine. This is typically a plastic or metal cover secured with clips or screws.
3. **Remove Old Filter:** Open the air filter housing and carefully remove the old, dirty air filter. Note its orientation for

correct installation of the new filter.

4. **Clean Housing:** Inspect the air filter housing for any debris or dirt. Clean the housing thoroughly with a clean cloth, ensuring no particles fall into the carburetor intake. Do not use compressed air directly into the carburetor.
5. **Install New Filter:** Insert the new Oregon Air Filter (Model 30-168) into the housing, ensuring it is seated correctly and securely. The filter should fit snugly without force.
6. **Secure Housing:** Close and secure the air filter housing. Reconnect the spark plug wire.

Note: Some air filter housings may require a pre-filter (foam sleeve) in addition to the paper filter. If your original setup included one, ensure it is also clean or replaced as needed.

OPERATING CONSIDERATIONS

Once installed, the air filter operates continuously to protect your engine. There are no specific operating steps for the filter itself, but understanding its function is important for engine health.

- **Engine Protection:** The filter's primary role is to prevent abrasive particles from entering the engine, which can cause premature wear on internal components.
- **Fuel Efficiency:** A clean air filter ensures proper air-to-fuel mixture, contributing to optimal engine performance and fuel efficiency. A clogged filter can lead to a rich mixture, reducing power and increasing fuel consumption.
- **Engine Life:** Regular inspection and replacement of the air filter significantly extend the lifespan of your engine by protecting it from harmful contaminants.

MAINTENANCE

Regular maintenance of your air filter is crucial for the longevity and performance of your engine. The frequency of maintenance depends on the operating conditions.

- **Inspection:** Inspect the air filter every 25 hours of operation or annually, whichever comes first. In dusty conditions, inspect more frequently.
- **Cleaning:**
 - For light dust, gently tap the filter on a hard surface to dislodge debris.
 - Do not use compressed air to clean the paper filter, as this can damage the filter media and reduce its effectiveness.
 - Do not wash the paper filter with water or solvents.
- **Replacement:** Replace the air filter if it is heavily soiled, damaged, or if cleaning does not restore its proper function. A good rule of thumb is to replace it at least once a year, or more often if operating in very dusty environments.
- **Signs of a Clogged Filter:** Reduced engine power, increased fuel consumption, black smoke from the exhaust, or difficulty starting the engine can indicate a clogged air filter.

TROUBLESHOOTING

Most issues related to the air filter can be resolved with proper maintenance.

Problem	Possible Cause	Solution
Engine loses power or runs rough	Clogged or dirty air filter	Inspect and clean or replace the air filter.

Problem	Possible Cause	Solution
Increased fuel consumption	Clogged air filter causing rich fuel mixture	Replace the air filter.
Engine emits black smoke	Severely clogged air filter	Replace the air filter immediately.
Dirt or debris in carburetor	Damaged or improperly installed filter	Ensure filter is correctly seated. Replace if damaged. Clean carburetor if necessary.

SPECIFICATIONS

Attribute	Detail
Model Number	30-168
Brand	Oregon
Product Type	Replacement Air Filter
Dimensions (Approximate)	3 inches (Length) x 1-3/4 inches (Width)
Inner Diameter	1-1/2 inches
Replaces OEM Parts	Briggs & Stratton: 593260, 798452; Stens: 102-851
Compatibility	Many Briggs & Stratton models, including 093J02 series, 093J00, 9P700, 103M00, 104M00.
Product Dimensions (Shipping)	20.32 x 0.13 x 20.32 cm; 22.68 g
Date First Available	April 8, 2016

SUPPORT AND CONTACT

For further assistance or inquiries regarding your Oregon Air Filter, please contact Oregon customer support. Refer to the official Oregon website or product packaging for the most current contact information.

Always use genuine Oregon replacement parts to ensure compatibility and maintain product performance.